

Application No. 10/551,668  
Amendment dated: March 29, 2010  
After Final Office Action of December 28, 2009

Docket No.: TEI-0135

### **AMENDMENTS TO THE CLAIMS**

1. (Previously presented) An examination apparatus for use in selecting a patient for whom an oxygen therapy is effective among patients having chronic heart failure, the apparatus comprising:
  - a non-implantable biological information monitoring system, which has a unit for measuring and recording an airflow information about presence/absence or magnitude of respiratory airflow of the subject patient having chronic heart failure for whom the oxygen therapy is effective, and a unit for measuring and recording an electrocardiogram wave form of the subject patient having an electrode part which can be stuck on the skin of the subject patient, wherein the monitoring system is constituted such that the subject patient can move in the state having the monitoring attached on the body of the subject patient;
  - an analysis unit for analyzing the enhanced state of sympathetic nerves based on the measured electrocardiogram wave form;
  - an editor part for selecting a zone to be subjected to data processing among biological information including the airflow information and the electrocardiogram wave form of the subject patient through visual identification; and
  - an output part for displaying or printing both of: (A) a transition of respiratory airflow; and (B) a transition of enhanced state of sympathetic nerves, of the subject patient within the zone selected by the editor part.
2. (Previously Presented) The examination apparatus according to claim 1, wherein the analysis unit analyzes the enhanced state of sympathetic nerves based on the measured electrocardiogram wave form with a heart rate variability analytical procedure.
3. (Previously Presented) The examination apparatus according to claim 1 or 2 which comprises an analysis unit for analyzing synchronization of transition of the respiratory state in a Cheyne-Stokes respiratory symptom in which apnea and respiratory states are repeated with transition of abnormal enhancement of sympathetic nerves.